



Department of
**Environment &
Conservation**

Celebrating
25 Years
1991-2016

25 Years of Environment & Conservation

Environmental Show of the South
Gatlinburg, Tennessee
April 20, 2016

Created in 1991, still going strong in 2016



Gov. McWherter receives Tennessee State Parks hat from first TDEC Commissioner J.W. Luna

“Environmental issues are of such importance that the state of Tennessee should address these issues through a single agency.”

- Gov. McWherter, February 1991

Then and Now: Tennessee by the numbers



POPULATION

<u>1991</u>	<u>2015</u>
4.9 million	6.6 million

↑ **35%**



ECONOMIC OUTPUT (GDP)

<u>1991</u>	<u>2014</u>
\$101.2 billion	\$297.2 billion

↑ **193%**



VEHICLE MILES TRAVELED

<u>1990</u>	<u>2013</u>
46.7 billion	71.1 billion

↑ **52%**



Tennessee is a prosperous, growing State

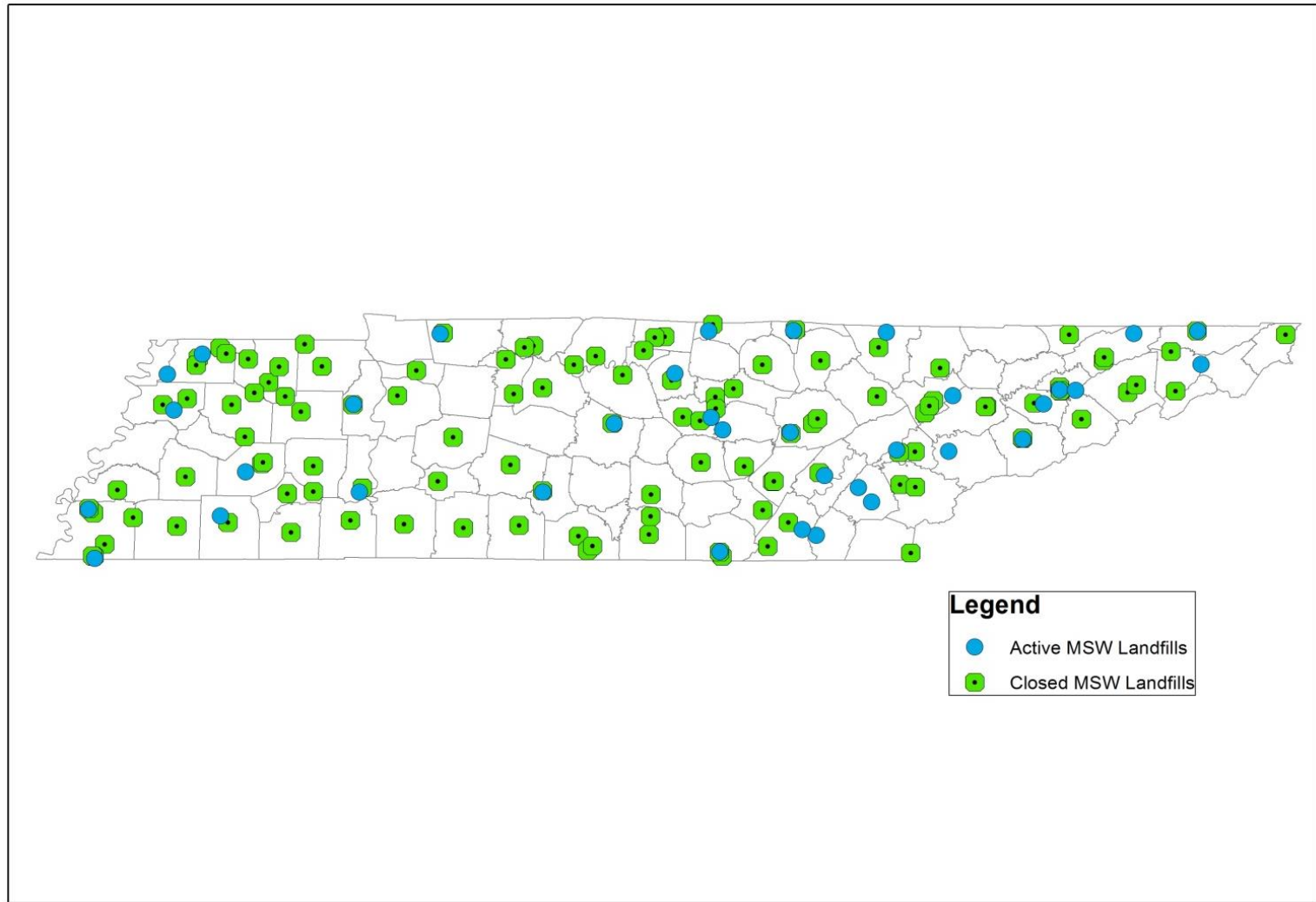
- **Tennessee's Environment Quality**
 - Air
 - Water
 - Waste
 - Land & Natural Resources
- **Reflects Progress and Improvement**

Our Core Belief: Economic growth and environmental protection are not mutually exclusive. It's not "either/or" it's "and."



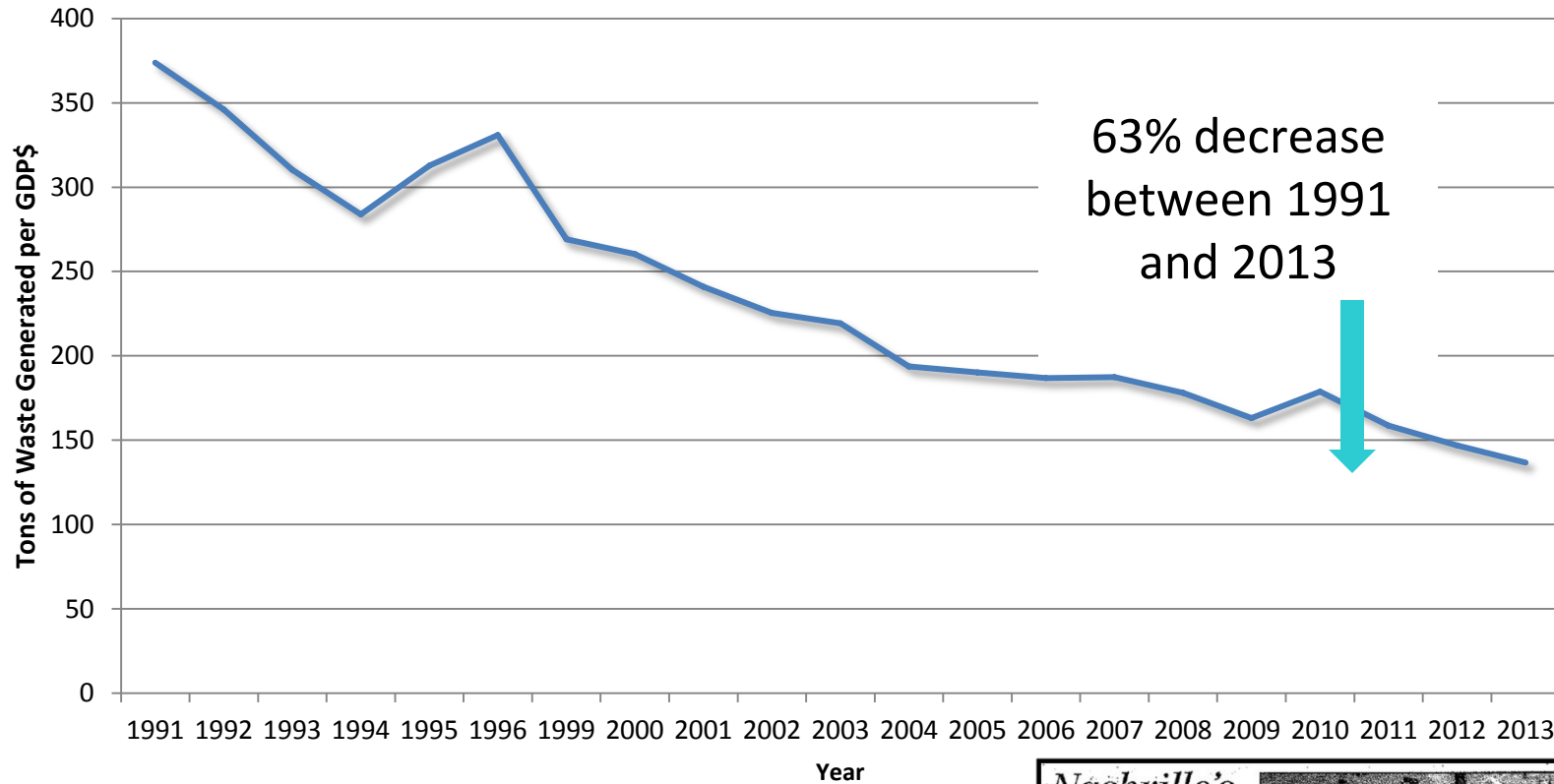
25 Years of Progress

Changing Face of Solid Waste Disposal



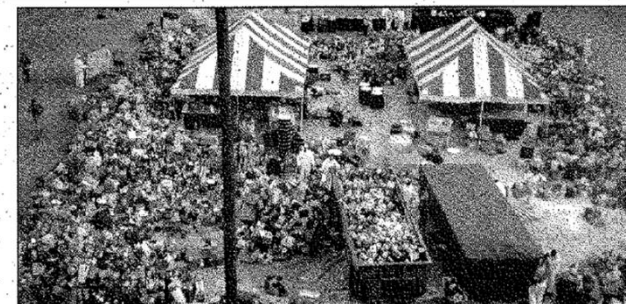
Responsible Hazardous Waste Management

Tons Hazardous Waste Generated per GDP (Tons/Million\$)



Nashville's first HHW collection a success

Metro Nashville's inaugural Household Hazardous Waste collection, held Saturday, October 8, was a smashing success, according to the company picked to handle the materials. By the time the Woodland Street event site was



Over 2,600 households brought about 364,000 pounds of waste to the drop-off.

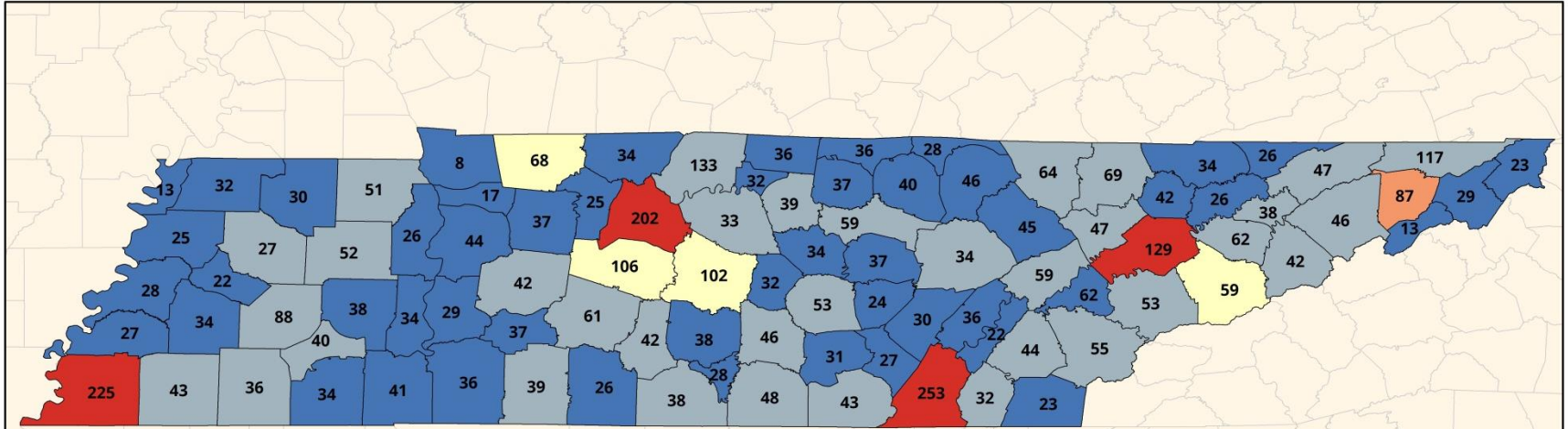
Used Oil Collection

Working to improve used oil collection site accessibility and safety



- **1993:** 126 used oil collection sites
- **2016:** 1,301 used oil collection sites

**4,647 Solid Waste & Materials Management grants
totaling more than \$154 million awarded since 1991**








Grant categories:

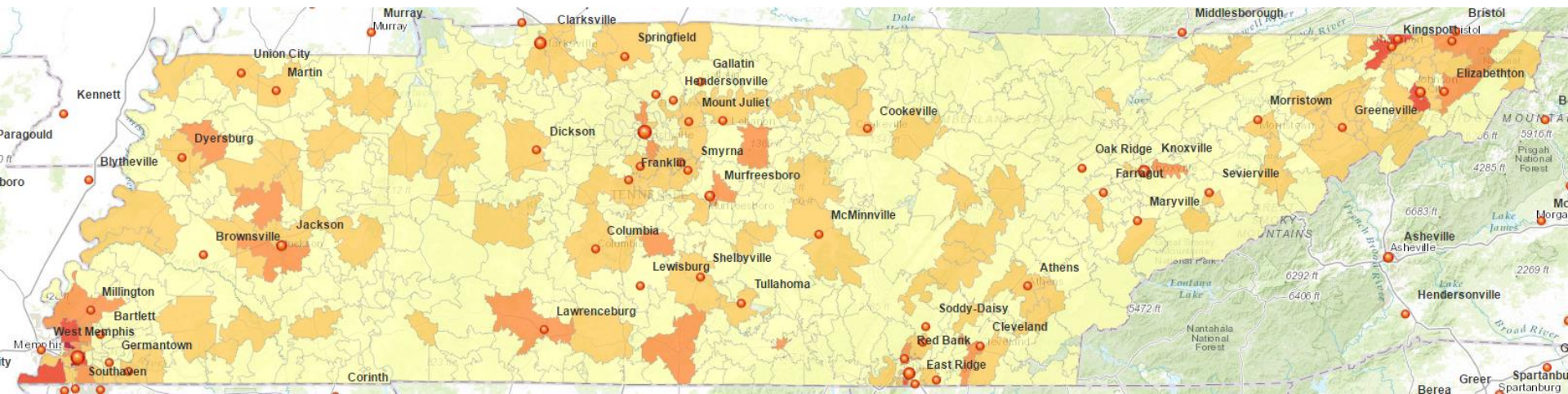
- Convenience Center
- Education
- Hub and Spoke
- Old Closed Landfills
- Tire Recycling and Cleanup
- Permanent Household Hazardous Waste
- Recycling Equipment
- Recycling Rebate
- Technical Assistance
- Used Oil
- Planning Grant

Legend

Total Money Received

	\$100,000 - \$1,000,000
	\$1,000,000 - \$3,000,000
	\$3,000,000 - \$5,000,000
	\$5,000,000 - \$10,000,000
	\$10,000,000 - \$18,000,000

Environmental Investigations of Lead Poisoned Children



Number of Cases



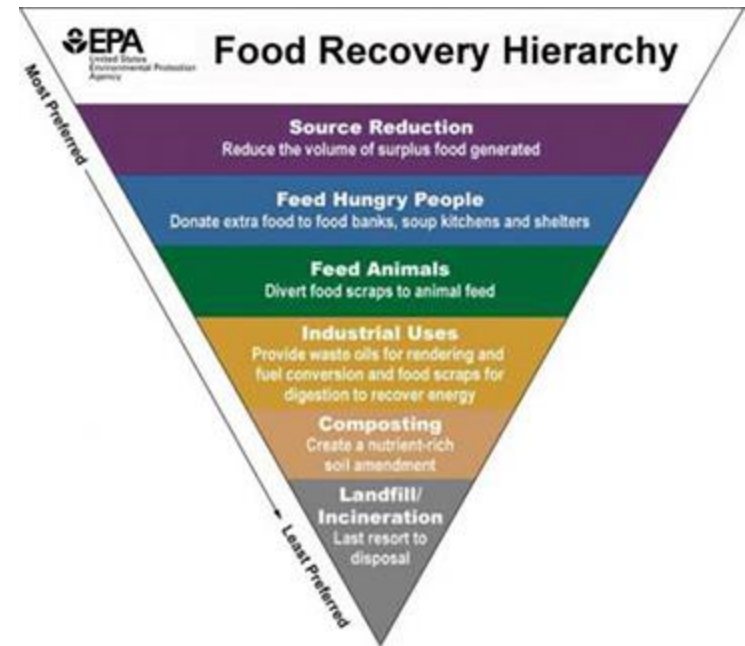


Ongoing Solid Waste Management Challenges & Opportunities

Reducing Food Waste

Exploring food waste reduction through:

- Source reduction
- Food donation to banks and shelters
- Scraps as animal feed
- Industrial uses, e.g., rendering industry, biofuel conversion, biogas conversion



Tires



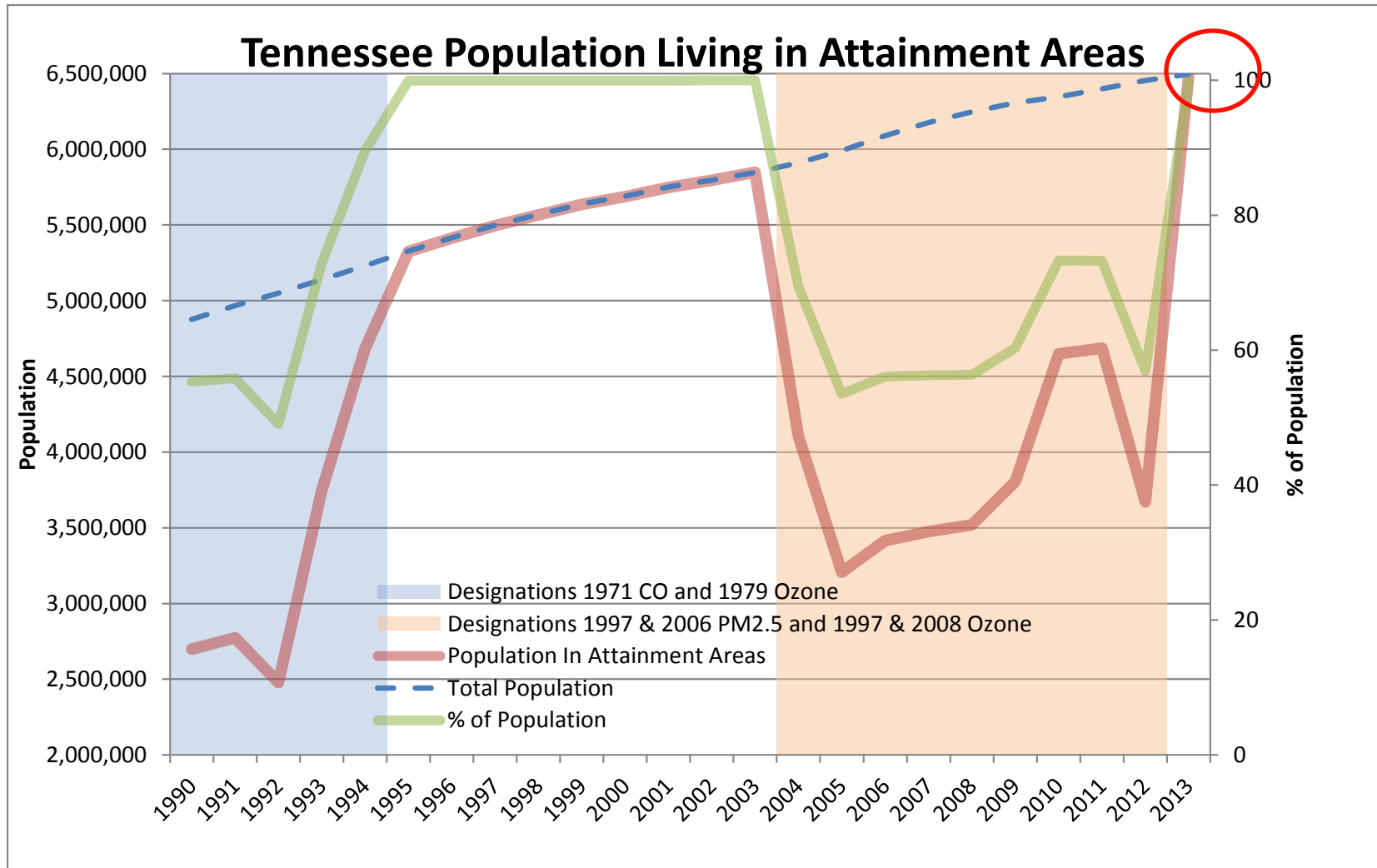
- Environmental Tire Fee passed in 2015 (Tire Environmental Act) to fund projects creating or supporting beneficial end use for waste tires
- Tire Derived Aggregate Approved for Subsurface Sewage Disposal 2015



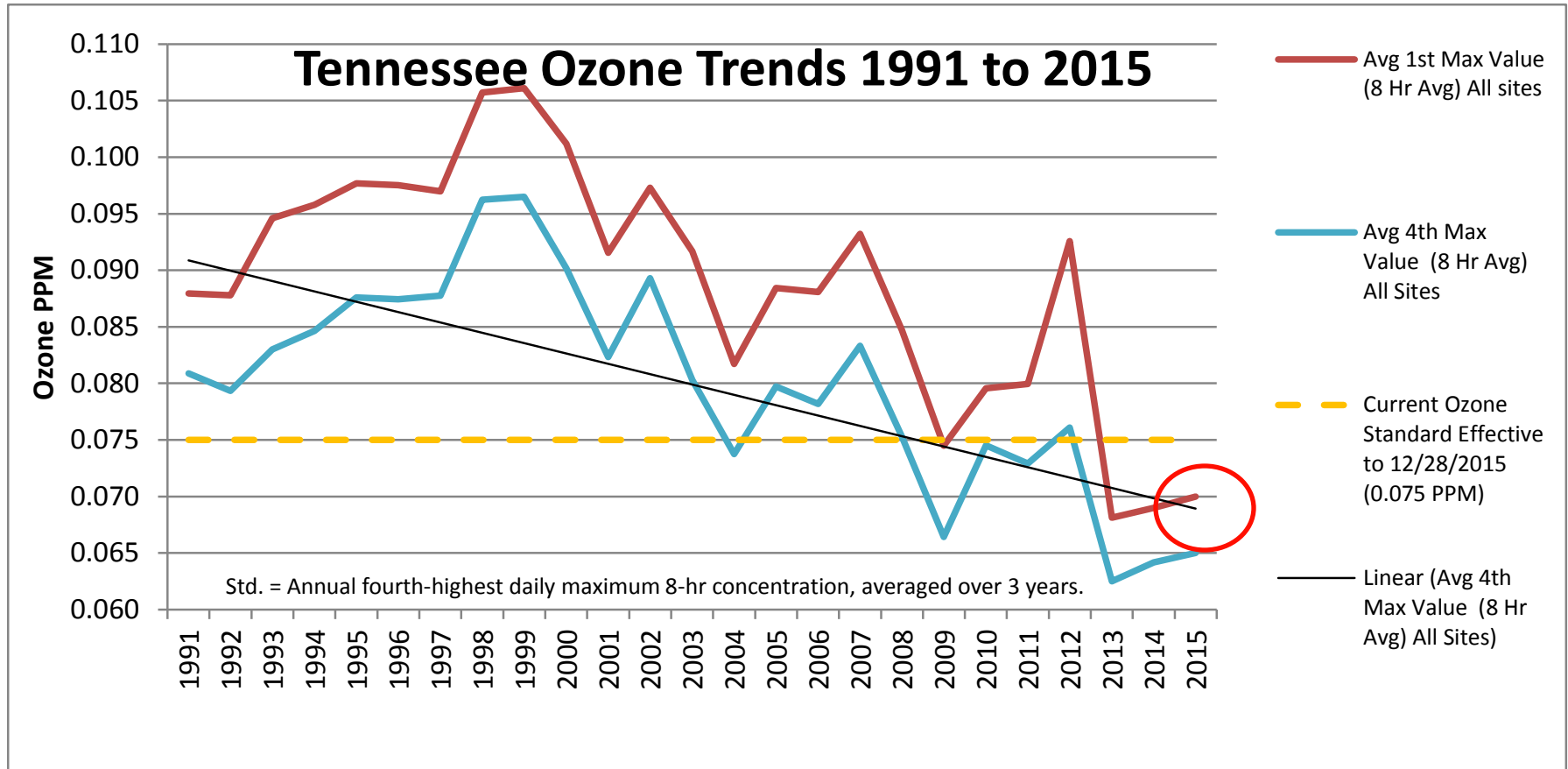
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Results Across Tennessee

Tougher federal standards, better air quality

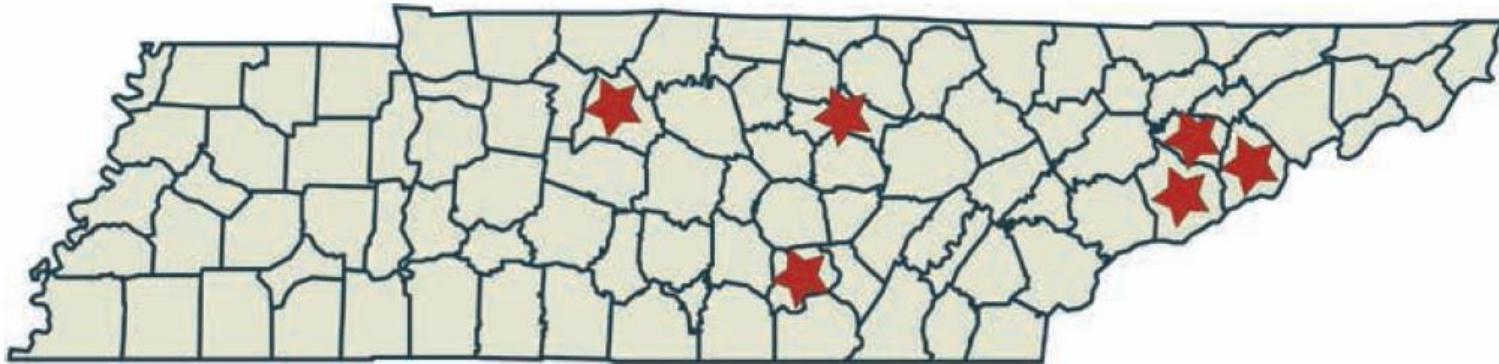


Ozone decreasing over time in Tennessee



Water quality: De-postings

Locations of Water Quality Improvements Celebrated in 2015



April 2013

3.7 miles of the Little Fiery Gizzard and 1.9 miles of Clouse Hill Creek in Grundy County

September 2013

1.5 miles of Leadvale Creek in Jefferson County, 5 miles of Johns Creek, 4.4 miles of Baker Creek in Cocke County

April 2014

12.8 miles of Little Pigeon River and branches in Sevier County

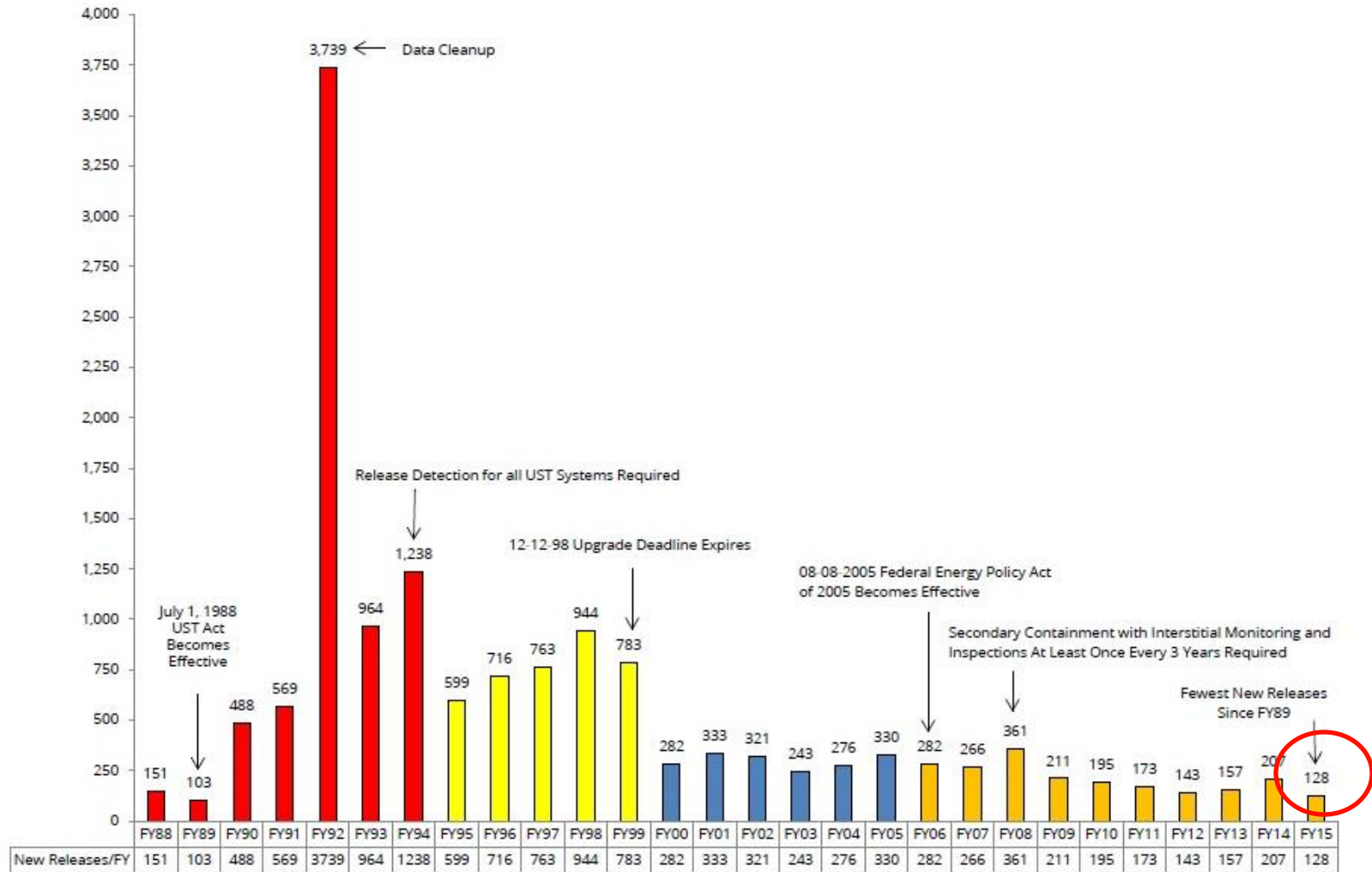
December 2014

2.1 miles of Whites Creek in Davidson County

May 2015

.5 mile segment of Mine Lick Creek in Putnam County

Fewest UST releases or spills since 1989



Lucky to have support from the very top



Gov. Haslam has been a champion for TDEC and our employees, from environmental protection to state parks and conservation to our premier awards programs recognizing outstanding environmental stewardship.

Present & Future: Committed to our Mission

- **Improve Quality of Tennessee's Environment**
 - Air
 - Water
 - Waste
 - Protect Land & Natural Resources
- **Promote “Environmentally Friendly” Practices**
 - Energy: Efficiency, Conservation, and Renewables
 - Sustainable Practices: Local & State; Public & Private

Effective Partnership Built Over Time



Architects of the 1990 amendments to the Clean Air Act reflect on the occasion of its continued influence today

Another positive constant for Tennessee's environment over the past 25 years has been the support and leadership at EPA from Stan Meiburg



Partnership continues... in 2015 on the occasion of an MOU between EPA and the States regarding copper use in brakes